# Bay County VEBA

Investment Performance Review Quarter Ending September 30, 2016





I am delighted to announce that we will be rebranding our firm early next year to reflect our enduring commitment to true independence and our firm's desire to always put our clients first.

In September of 2000, our founder, Joe Bogdahn, started Bogdahn Consulting, LLC. In an industry dominated by brokerage firms and conflicted service models, he realized early on that only true independence would provide the platform for an institutional consulting firm to offer objective advice and guide clients through an increasingly challenging world. Joe shared his vision with me soon thereafter; I quickly appreciated the power of the independent model and our shared desire to put the client first in every aspect of our business dealings.

As the firm has evolved and grown over the past 16 years, and as we have recruited talented employees and businesses from around the country, this foundation remains the bedrock of what we do and think about every day – always putting our clients' interests first. We are very proud of the service culture we created and continue to foster within our firm.

As an important milestone, we recently transitioned the majority ownership of the firm from our founder to the next generation of leaders. We believe this was a very important step in solidifying our business and ensuring we can continue to serve clients without interruption or disruption in our core servicing philosophy of "clients first". Our employees continue to exemplify a relentless pursuit of serving our clients within an independent structure every day.

The timing of this rebrand corresponds with the expansion of employee ownership and participation, as well as our collective passion of putting clients first in everything we do. While the change will occur early in 2017, we wanted to share this exciting news with you as early as possible. Until then, please contact your consulting team to keep you up to date with developments along the way.

We appreciate your business and the opportunity to serve you. Here, our clients will always be first.

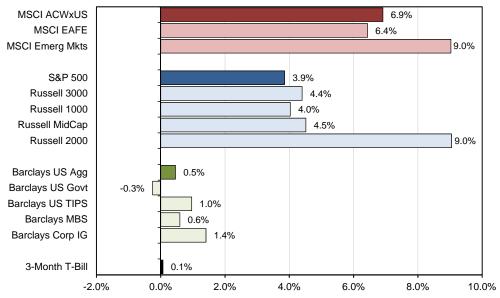
Sincerely,

Mike Welker President/CEO

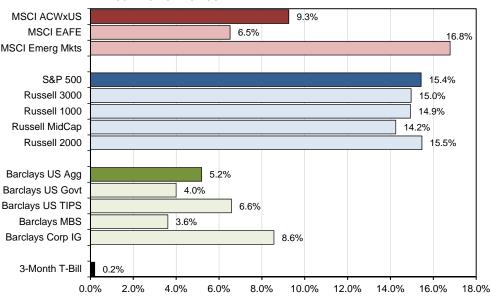


- Asset class returns were broadly positive for the 3rd quarter as global markets continued to rebound from the late June shock caused by the U.K.'s decision to leave the European Union. Investment returns also benefited from continued expansionary global central bank policies as well as general improvement in economic data. Domestic and international equity, particularly small cap and emerging markets, easily outperformed bonds as investor sentiment shifted once again to a "risk-on" posture. Returns for the trailing twelve months illustrated a similar pattern with higher risk assets generally outperforming defensive investments.
- Equity market indices were positive for the 3rd guarter and the 1-year period. Domestic stock market returns represented by the Russell 3000 Index have been solid, returning 4.4% for the 3rd quarter and 15.0% over the trailing year. Within domestic stocks, the small cap index doubled the performance of other domestic indices with a return of 9.0% for the quarter. This strong outperformance for the quarter also elevated the small cap benchmark marginally past the return of domestic equity indices for the 1-year period. Similar to domestic equity results, international equity indices also yielded robust performance for the 3rd quarter. In U.S. Dollar (USD) terms, the MSCI ACWI ex U.S. Index (net) appreciated 6.9% for the quarter and 9.3% over the last year. The Emerging market index posted its third straight quarter of outperformance relative to developed market MSCI-EAFE Index (net). The MSCI Emerging Market Index (net) posted returns of 9.0% and 16.8%, respective, for the 3rd quarter and 1year period versus returns of 6.4% and 6.5% for the MSCI EAFE Index (net).
- Despite a brief drop in yields at the start of the 3rd quarter, the U.S. Treasury yield curve moved higher as interest rates rose moderately across the maturity spectrum. This upward shift in the yield curve caused U.S. Government bonds to post negative returns for the quarter. In contrast, the investment grade corporate and mortgage-backed bond components of the Aggregate benchmark managed to post positive performance for the quarter. Investment grade corporate issues benefited from increased demand for yield, which led to tightening credit spreads throughout the quarter, particularly in lower credit quality issues.



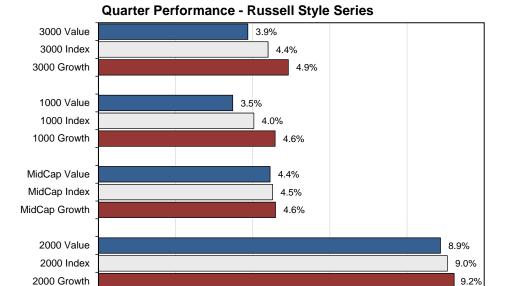


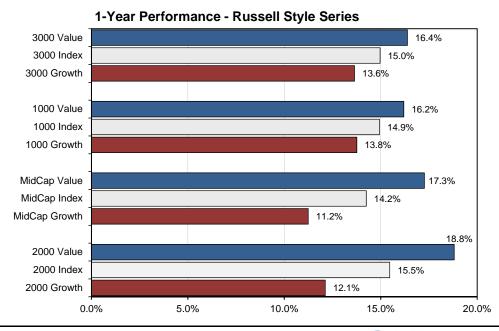
### 1-Year Performance





- U.S. equity index returns were positive across the style and capitalization spectrum during the 3rd quarter. The enthusiasm from generally better than expected 2nd quarter earnings and positive macroeconomic data early in the quarter were tempered by rising expectations the U.S. Federal Reserve (Fed) would tighten monetary policy by increasing short-term interest rates in September. While the Fed ultimately decided to leave short-term interest rates unchanged, Fed Chair Janet Yellen provided guidance that the case for a rate increase had been "strengthened", increasing the odds of a rate hike before the end of the year, but likely not until after the November election cycle.
- Growth stocks marginally outpaced value stocks across the capitalization spectrum for the 3rd quarter, reversing the trend of value outperformance for the first half of 2016. Growth index results were led by investors seeking the potential return premium associated with faster growing companies. Growth index performance also benefited from larger weights to Information Technology, the best performing economic sector for the 3rd quarter. As with the core indices, small cap style benchmarks were the best performers across the capitalization spectrum, doubling their mid and large cap counterparts. Despite a strong 3rd quarter for growth indices, the style-based performance reverses over the 1-year period with the more defensive value indices outpacing growth indices across the capitalization spectrum.
- From a valuation perspective, equity valuations appear stretched relative to historical levels based on their forward Price/Earnings ratios (P/E). Even the most attractively valued indices are trading modestly above their historical valuation averages. The large and mid cap growth indices trade at valuations near their respective historical average, while the remaining indices range between 106% and 114% of their 15-year averages.





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6.0%

8.0%

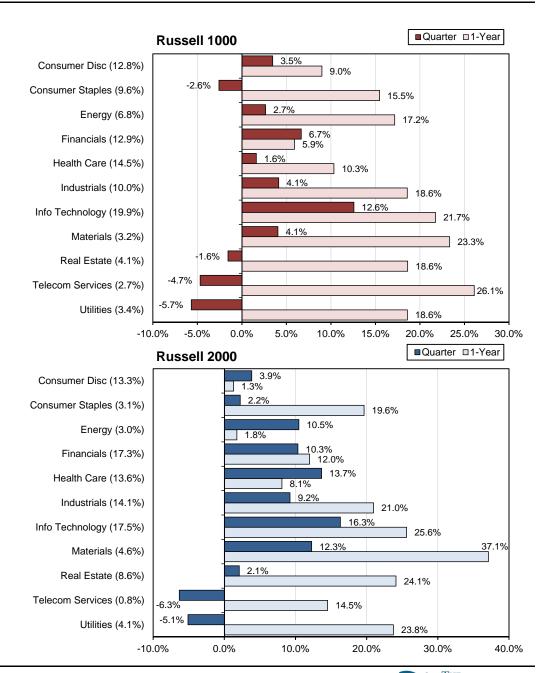
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- Large cap sector performance was polarizing for the 3rd quarter with a performance span of 18.3% between the best and worst performing sectors. Seven of eleven sectors within the Russell 1000 Index posting gains for the period but only four economic sectors outpaced the 4.0% return of the broad Russell 1000 index. The Information Technology sector was the quarter's best performer. The sector's return of 12.6% was supported by a strong earnings season. Financial securities also performed notably well, returning 6.7%, as market participants considered the heightened possibility of a near-term interest rate hike. The prospect of higher interest rates represented a headwind to more defensive sectors. reversing a trend of outperformance in the Utilities, Real Estate, Telecommunications and Consumers Staples sectors. Utilities were the worst performers, returning -5.7% for the quarter. Sector performance over the 1-year period has been remarkably solid with all eleven economic sectors posting positive results, and nine posting double-digit returns. Despite its negative performance for the 3rd quarter, the Telecommunications sector was the best performer over the 1-year period with a return of 26.1%. Financial stocks have struggled relative to other sectors over the 1-year period as the persistent low interest rate environment continues to inhibit bank profits.
- Small cap sector performance was generally positive for the 3rd quarter with nine of eleven sectors advancing. However, much like large cap sector results, the performance span between the best and worst performing sectors was a large 22.6% for the period. While the trends observable in the large cap index generally persisted in the small cap benchmark, small cap sector performance outpaced the respective large cap sector result in ten of eleven sectors. Also similar to large cap issues, higher yielding, defensive sectors lagged the more cyclical, economically sensitive sectors. Over the 1-year period, higher dividend paying Real Estate, Utilities and Telecommunications sectors posted double-digit performance despite their relatively weak 3rd quarter results. Although positive, the Consumer Discretionary and Energy sectors lagged over the 1-year period returning 1.3% and 1.8% respectively.
- Using the S&P 500 as a proxy, forward P/E ratios for six GICS sectors were below their long-term (20-year) averages at quarter-end. The Information Technology and Telecommunications sectors were trading at the largest discount to their long-term average P/E ratios. In contrast, Energy and Utilities sector valuations were the most extended relative to their historical P/E ratios.





Top 10 Weighted Stocks						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Apple Inc	2.96%	18.9%	4.7%	Information Technology		
Microsoft Corp	2.08%	13.3%	33.7%	Information Technology		
Exxon Mobil Corp	1.74%	-6.1%	21.6%	Energy		
Amazon.com Inc	1.56%	17.0%	63.6%	Consumer Discretionary		
Johnson & Johnson	1.55%	-2.0%	30.2%	Health Care		
Facebook Inc A	1.38%	12.2%	42.7%	Information Technology		
Berkshire Hathaway Inc B	1.31%	-0.2%	10.8%	Financials		
General Electric Co	1.30%	-5.2%	21.1%	Industrials		
AT&T Inc	1.20%	-5.0%	31.2%	Telecommunication Services		
JPMorgan Chase & Co	1.16%	8.0%	12.5%	Financials		

	Top 10 Weighted Stocks						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Microsemi Corp	0.27%	28.5%	27.9%	Information Technology			
Advanced Micro Devices Inc	0.26%	34.4%	301.7%	Information Technology			
Gramercy Ppty Tr	0.23%	5.7%	54.8%	Real Estate			
Curtiss-Wright Corp	0.23%	8.1%	46.7%	Industrials			
Idacorp Inc	0.23%	-3.2%	24.4%	Utilities			
Healthcare Realty Trust Inc	0.22%	-1.8%	42.7%	Real Estate			
Aspen Technology Inc	0.22%	16.3%	23.4%	Information Technology			
Fair Isaac Corp	0.22%	10.3%	47.6%	Information Technology			
Cepheid	0.22%	71.3%	16.6%	Health Care			
Portland General Electric Co	0.22%	-2.8%	18.8%	Utilities			

Top 10 Performing Stocks (by Quarter)						
Russell 1000	Weight 1-Qtr 1-Year Return Return		Sector			
Puma Biotechnology Inc	0.00%	125.1%	-11.0%	Health Care		
The Chemours Co	0.00%	94.7%	151.1%	Materials		
Genworth Financial Inc	0.00%	92.2%	7.4%	Financials		
Lumentum Holdings Inc	0.00%	72.6%	146.4%	Information Technology		
Copa Holdings SA Class A	0.01%	69.3%	118.4%	Industrials		
Groupon Inc	0.01%	58.5%	58.0%	Consumer Discretionary		
Ionis Pharmaceuticals Inc	0.02%	57.3%	-9.4%	Health Care		
bluebird bio Inc	0.00%	56.6%	-20.8%	Health Care		
GoPro Inc A	0.00%	54.3%	-46.6%	Consumer Discretionary		
Penske Automotive Group Inc	0.01%	54.2%	2.3%	Consumer Discretionary		

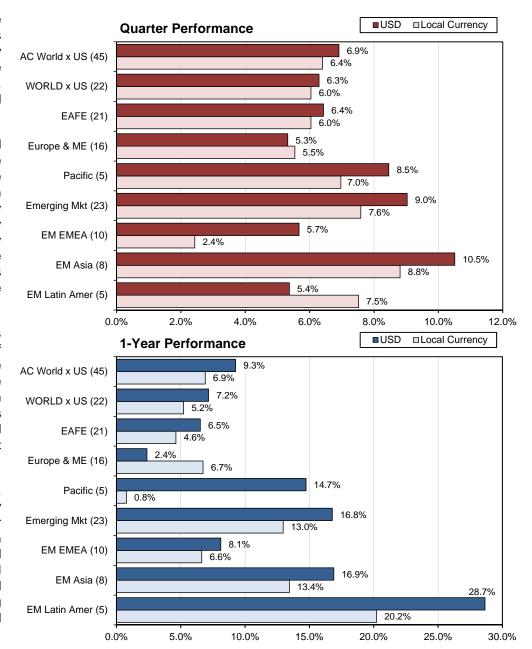
Top 10 Performing Stocks (by Quarter)							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Seventy Seven Energy Inc	0.00%	20366.9%	1265.9%	Energy			
Sarepta Therapeutics Inc	0.15%	222.0%	91.2%	Health Care			
Tobira Therapeutics Inc	0.02%	216.4%	311.4%	Health Care			
Clayton Williams Energy Inc	0.03%	211.1%	120.1%	Energy			
Ultra Petroleum Corp	0.00%	184.6%	-21.6%	Energy			
Cloud Peak Energy Inc	0.00%	164.1%	106.8%	Energy			
Clovis Oncology Inc	0.07%	162.8%	-60.8%	Health Care			
Acacia Communications Inc	0.03%	158.6%	N/A	Information Technology			
Abeona Therapeutics Inc	0.00%	154.2%	48.1%	Health Care			
Healthways Inc	0.05%	129.1%	137.9%	Health Care			

Bottom 10 Performing Stocks (by Quarter)						
Russell 1000	Weight 1-Qtr 1-Year Return Return		Sector			
SunEdison Inc	0.00%	-64.5%	-99.3%	Information Technology		
Corrections Corp of America	0.01%	-58.8%	-48.6%	Real Estate		
SunPower Corp	0.00%	-42.4%	-55.5%	Information Technology		
Quorum Health Corp	0.00%	-41.5%	N/A	Health Care		
The Hain Celestial Group Inc	0.02%	-28.5%	-31.0%	Consumer Staples		
Diamond Offshore Drilling Inc	0.01%	-27.6%	2.4%	Energy		
Bristol-Myers Squibb Company	0.43%	-26.7%	-7.4%	Health Care		
Tractor Supply Co	0.04%	-25.9%	-19.3%	Consumer Discretionary		
Dollar General Corp	0.09%	-25.3%	-2.2%	Consumer Discretionary		
NRG Energy Inc	0.02%	-25.1%	-22.2%	Utilities		

Bottom 10 Performing Stocks (by Quarter)							
Russell 2000	Weight 1-Qtr 1-Year Seturn Return		Sector				
Horsehead Holding Corp	0.00%	-93.8%	-99.4%	Materials			
Fairway Group Holdings Corp A	0.00%	-89.2%	-99.3%	Consumer Staples			
Key Energy Services Inc	0.00%	-82.1%	-91.2%	Energy			
Violin Memory Inc	0.00%	-80.2%	-86.8%	Information Technology			
Code Rebel Corp	0.00%	-80.0%	-99.9%	Information Technology			
CytRx Corp	0.00%	-73.6%	-75.2%	Health Care			
Tokai Pharmaceuticals Inc	0.00%	-72.2%	-85.2%	Health Care			
Novavax Inc	0.03%	-71.4%	-70.6%	Health Care			
6D Global Technologies Inc	0.00%	-66.7%	-98.3%	Information Technology			
Intra-Cellular Therapies Inc	0.03%	-60.7%	-61.9%	Health Care			



- Similar to domestic equity benchmarks, the 3rd quarter was largely positive for international equities with developed and emerging market indices posting solid returns in both USD and local currency terms. The currency impact on returns was mixed during the quarter and the performance differential was more muted than recent quarters. Similar to the 3rd quarter, results for the 1-year period were also broadly positive in both USD and local currency.
- European stocks bounced back during the 3rd quarter as markets recovered from the immediate negative assessment of the U.K.'s vote to leave the European Union. Although the impact of the referendum will likely have economic consequences, they are not near-term in nature. While European Central Bank (ECB) President Mario Draghi signaled that further monetary policy stimulus would be available if needed, the ECB, supported by generally positive economic data in the region, left monetary policy unchanged through the quarter. U.K. economic data also surprised to the upside through the quarter as the Bank of England (BoE) launched a series of expansionary monetary policy measures and Theresa May became prime minister following the resignation of David Cameron.
- Japanese equities rose sharply through the quarter, gaining 8.6%, as elections within Japan's House of Councilors strengthened the position of Prime Minister Abe. The result of the elections made way for the announcement of a \$28 trillion Yen fiscal stimulus package. In addition, the Bank of Japan (BoJ) increased the scale of its ETF purchasing program from \$3.3 trillion Yen to \$6 trillion Yen annually, and while it left interest rates unchanged, the BoJ placed a 0.0% ceiling on 10-year government bond yields and planned to reduce ongoing purchases of ultra-long Government bonds in an effort to influence the shape of their yield curve.
- Broad emerging market indices were positive throughout the quarter, outperforming their developed market counterparts. Asian markets, led by China, South Korea, and Taiwan were the best performers for the 3rd quarter in both USD and local currency terms. Over the trailing 1-year period, Latin America was the best performing region returning 28.7% in USD terms and 20.2% on a local currency basis as the region benefited from political tailwinds in Brazil and rising commodity prices. Russia, Egypt, and Indonesia were also notable positive performers over the period. Emerging European countries were laggards relative to emerging peers in Asia and Latin America.



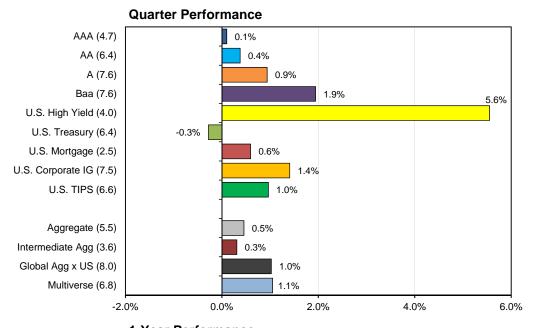


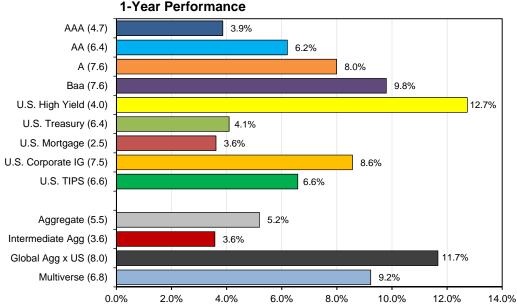
MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.2%	10.9%	2.6%
Consumer Staples	12.8%	1.9%	13.9%
Energy	4.8%	-1.5%	15.6%
Financials	19.2%	11.0%	-6.7%
Health Care	11.4%	-2.4%	0.8%
Industrials	14.1%	8.6%	15.8%
Information Technology	5.5%	14.8%	18.1%
Materials	7.5%	15.8%	21.6%
Real Estate	4.0%	4.9%	12.4%
Telecommunication Services	4.8%	-0.4%	6.0%
Utilities	3.7%	0.1%	4.3%
Total	100.0%	6.4%	6.5%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	11.4%	5.8%	4.8%
Consumer Staples	11.1%	-0.7%	13.2%
Energy	6.6%	2.1%	20.5%
Financials	21.6%	10.1%	0.1%
Health Care	8.6%	0.1%	-2.2%
Industrials	11.7%	5.8%	13.8%
Information Technology	9.6%	15.6%	26.2%
Materials	7.5%	9.1%	24.8%
Real Estate	3.5%	4.9%	13.0%
Telecommunication Services	4.9%	2.0%	5.3%
Utilities	3.4%	2.6%	5.5%
Total	100.0%	6.9%	9.3%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	10.6%	9.6%	13.9%
Consumer Staples	7.9%	1.2%	10.1%
Energy	7.3%	8.0%	26.2%
Financials	23.7%	11.5%	14.6%
Health Care	2.6%	2.3%	4.5%
Industrials	5.9%	4.9%	1.2%
Information Technology	23.9%	16.1%	32.7%
Materials	6.4%	10.2%	23.7%
Real Estate	2.7%	7.7%	15.5%
Telecommunication Services	6.1%	2.2%	2.2%
Utilities	2.9%	0.9%	9.3%
Total	100.0%	9.0%	16.8%

	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	23.8%	16.7%	8.6%	12.1%
United Kingdom	18.9%	13.2%	4.0%	1.5%
France	9.7%	6.8%	6.4%	3.6%
Germany	9.0%	6.3%	10.0%	9.1%
Switzerland	9.0%	6.3%	2.6%	1.0%
Australia	7.3%	5.1%	7.9%	21.7%
Hong Kong	3.5%	2.5%	11.9%	19.1%
Netherlands	3.4%	2.4%	9.1%	10.4%
Spain	3.0%	2.1%	9.3%	-5.7%
Sweden	2.8%	2.0%	7.5%	3.9%
Italy	1.9%	1.3%	2.2%	-21.0%
Denmark	1.8%	1.2%	-6.3%	-1.5%
Belgium	1.4%	1.0%	5.0%	19.1%
Singapore	1.3%	0.9%	-0.2%	9.7%
Finland	1.0%	0.7%	7.4%	9.3%
Israel	0.7%	0.5%	-2.0%	-7.7%
Norway	0.6%	0.5%	6.3%	10.1%
Ireland	0.5%	0.3%	7.4%	-0.7%
New Zealand	0.2%	0.1%	12.4%	56.9%
Austria	0.2%	0.1%	16.7%	11.6%
Portugal	0.2%	0.1%	6.3%	11.2%
Total EAFE Countries	100.0%	70.1%	6.4%	6.5%
Canada	100.0 /6	6.7%	4.9%	14.5%
Total Developed Countries		76.9%	6.3%	7.2%
China		6.2%	13.9%	13.0%
Korea		3.4%	11.0%	21.5%
Taiwan		2.8%	11.7%	22.7%
India		2.0%	5.9%	6.1%
Brazil		1.7%	11.3%	57.6%
South Africa		1.7%	6.3%	9.9%
			-2.2%	
Mexico		0.9%		-2.5%
Russia		0.9%	8.4%	25.2%
Indonesia		0.6%	9.5%	53.2%
Malaysia		0.6%	-1.5%	13.2%
Thailand		0.5%	7.2%	20.9%
Philippines		0.3%	-5.3%	6.6%
Turkey		0.3%	-5.3%	5.8%
Chile		0.3%	-1.7%	11.8%
Poland		0.3%	3.1%	-15.7%
Qatar		0.2%	6.9%	-5.2%
United Arab Emirates		0.2%	6.1%	0.7%
Colombia		0.1%	2.8%	17.3%
Peru		0.1%	1.1%	39.5%
Greece		0.1%	1.0%	-38.3%
Hungary		0.1%	10.8%	38.0%
Egypt		0.0%	21.6%	6.4%
Czech Republic		0.0%	-0.4%	-12.8%
Total Emerging Countries		23.2%	9.0%	16.8%



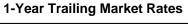
- Despite historically low yields, fixed income indices continued their strong 2016 performance through the 3rd quarter of the year. The initial downward yield shock caused by June's "Brexit" vote wore off quickly and bond market volatility remained relatively low through the remainder of the quarter. Improving economic data in the U.S. led investors to price in greater likelihood of a rate increase at the Fed's September meeting. This expectation caused interest rates to creep up across the yield curve, especially at the short end of the curve. While Fed Chair Janet Yellen relayed a generally positive view of the U.S. economy, the Federal Open Market Committee voted to keep interest rates stable for the time being. However, three of the ten voting committee members were in favor of a rate increase. Although an interest rate hike is not likely until after the November elections, there is certainly a reasonable expectation for a rate hike before year end.
- The yield curve rose over the 3rd quarter with short-term interest rates rising to a greater degree than long-term interest rates. This curve "flattening" represented a headwind to shorter duration market indices. Despite rising interest rates, U.S. investment grade bond indices posted gains for the 3rd quarter. Investment grade corporates benefited from tightening interest rate credit spreads as investors became more comfortable taking on risk for the prospect of greater return. In contrast, the Bloomberg Barclays U.S. Treasury Index finished the quarter in the red due to its relatively high duration and low yield. The broad market Bloomberg Barclays Aggregate Index posted a return between the Treasury and Investment Grade indices with a return of 0.5% for the 3rd quarter. Returns over the 1-year period follow the same general trend as 3rd quarter results with the Bloomberg Barclays U.S. Corporate IG Index returning a strong 8.6% for the period.
- Lower credit quality issues outperformed higher quality securities during the 3rd quarter. Baa rated securities returned 1.9% versus a return of 0.1% for AAA issues due to the compression of interest rate credit spreads throughout the quarter. Spread compression was more prominent, and thus more beneficial, within lower credit qualities. The Bloomberg Barclays U.S. Corporate High Yield Index gained an impressive 5.6% for the quarter and 12.7% for the trailing 1-year period.

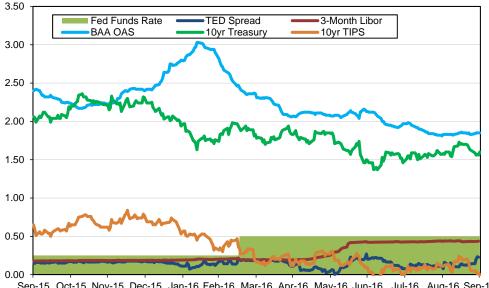






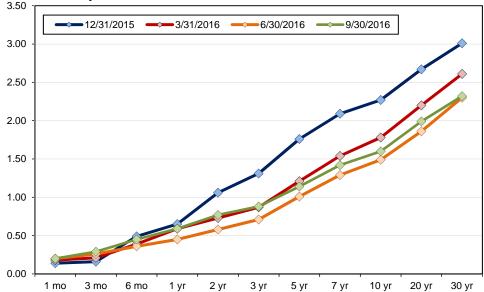
- U.S. TIPS finished the 3rd quarter with a return of 1.0%. The quarter's return can be attributed to a modest decline in yields at the longer end of the TIPS yield curve as well as an increase in the CPI All Urban Index from April to July. The TIPS return for the trailing 1-year period is a solid 6.6%.
- In USD terms, international fixed income indices posted gains for both the 3rd quarter and 1-year period. Despite relatively low interest rates in international markets, with several government issues trading at negative yields, the Bloomberg Barclays Global Aggregate ex U.S. Index returned 1.0% for the quarter and strong 11.7% over the 1-year period. This performance outpaced all domestic indices except the Bloomberg Barclays U.S. Corporate High Yield Index's return of 12.7% over the last twelve months.
- Some of factors supporting the index performance detailed in the bar graphs on the previous page is visible on a time series basis in the line graphs on the right. The '1-Year Trailing Market Rates' chart illustrates that the 10-year Treasury yield (green line), after initially falling on the "Brexit" vote, rose over the remainder of the quarter. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread), which quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. When credit spreads tighten (widen), i.e., the line is falling, it is equivalent to an interest rate decrease (increase)for corporate bonds, which boosts returns. This spread has consistently fallen since the beginning of 2016 and is now near its lowest point of the calendar year. While there was upside momentum in credit spreads early in 2016, they have narrowed by more than 1% since their high on February 11th. The lower graph provides a snapshot of the U.S. Treasury yield curve at each of the last four calendar quarters. While Treasury issues ended the 3rd quarter slightly higher than the prior quarter, long-term rates remain near their lowest levels in the past twelve months while short-term rates are at the high end of their twelve month range.
- The Fed has stated future rate increases would be implemented at a measured pace and with an ongoing assessment of current economic data. Despite this domestic policy assertion, geopolitical events and non-U.S. stimulus programs are likely to keep demand for U.S. Treasury issues elevated and exert significant downward pressure on how high domestic interest rates will rise in the short-term.





Sep-15 Oct-15 Nov-15 Dec-15 Jan-16 Feb-16 Mar-16 Apr-16 May-16 Jul-16 Aug-16 Sep-16

# **Treasury Yield Curve**





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Total Fund The VEBA Total Fund had a 3.5% return in the quarter and was just above the median of all Total Plans and above its policy benchmark. The 10.6% performance for the year was near top quartile but below the policy, while the five year 10.8% return was top quartile. Compared to funds with a similar mix, performance was just below average for the quarter, top third for the year and top quartile for five years.

<u>Total Domestic Equities</u> The return ranked in the top quartile for the quarter versus Combined Equities. It was slightly below average for the year and three years, but top quartile for four years. The performance in the quarter was above its equity policy index (62% Russell 1000, 38% Russell 2500), but below for the year and three years and above for four years. It was above the Russell 3000 index for the quarter, below for the year and three years, and above for four years.

- Dodge & Cox Stock Fund The fund had top decile performance relative to Domestic Large Cap Value funds for the quarter and was well above the Russell 1000 Value index. It was near top quartile for the year but below the index and was top decile and above the index for four years.
- MFS Domestic Large Cap Growth The account was funded in late December 2015. It had below average performance for the quarter versus Large Cap Growth funds and was just below the Russell 1000 Growth index. For nine months, it was near median, but below the index.
- Lord Abbett Performance in the quarter was bottom quartile versus Smid Cap Value funds, and below the Russell 2500 Value index. It was bottom third and below the index for the year and near top decile and above the index for four years.

### **Total Domestic Fixed Income**

 CS McKee Bottom third return for the quarter relative to Domestic Core Fixed Income funds and about equal to the Bloomberg Barclay's Aggregate Bond index. For the year results were just below average and above the index, while four years it was below median but above the index.



### Financial Reconciliation Total Fund

1 Quarter Ending September 30, 2016

1 Quarter				
	Market Value 07/01/2016	Net Flows	Return On Investment	Market Value 09/30/2016
VEDA T	40.00=.00=		4 === 400	47.407.400
VEBA Total Fund	43,885,887	26,337	1,553,182	45,465,406
Total Davis atta Footba	0.4.000.050		4 400 040	00 004 070
Total Domestic Equity	24,920,658	-	1,460,613	26,381,272
Dodge & Cox Stock Fund (DODGX)	8,141,155	-	715,604	8,856,759
Atalanta Sosnoff	-	-	-	-
MFS Equity Investment	8,225,490	-	368,279	8,593,769
Lord Abbett (LVOVX)	8,554,013	-	376,730	8,930,743
Total Domestic Fixed Income				
CS McKee	18,846,233	-	90,448	18,936,681
O-al-Million and Londing	440.005	00.007	0.400	447.450
Cash W/Income Lending	118,995	26,337	2,120	147,453



# Financial Reconciliation Total Fund

January 1, 2016 To September 30, 2016

Fiscal Year To Date				
	Market Value	Net Flows	Return On	Market Value
	01/01/2016		Investment	09/30/2016
VEBA Total Fund	42,451,901	122,413	2,891,092	45,465,406
Total Domestic Equity	25,981,690	-1,525,000	1,924,582	26,381,272
Dodge & Cox Stock Fund (DODGX)	9,186,740	-1,100,000	770,019	8,856,759
Atalanta Sosnoff	7,416	-6,838	-578	-
MFS Equity Investment	9,739,019	-1,493,162	347.913	8,593,769
Lord Abbett (LVOVX)	7.048,515	1,075,000	807.229	8,930,743
Edia Abbell (EVOVA)	7,040,313	1,010,000	007,220	0,000,740
Total Domestic Fixed Income				
CS McKee	16,277,015	1,700,000	959,667	18,936,681
Cash W/Income Lending	193,196	-52,587	6,844	147,453



### Financial Reconciliation Total Fund

1 Year Ending September 30, 2016

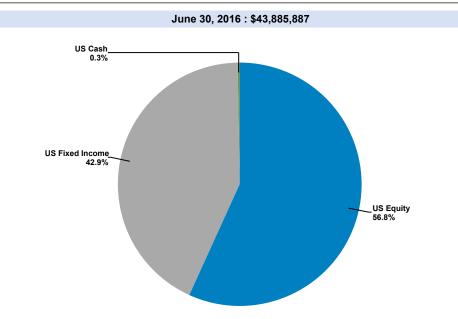
1 Year				
	Market Value 10/01/2015	Net Flows	Return On Investment	Market Value 09/30/2016
VEDA T-4-LE	40.000.040	405 700	4 0 4 4 0 4 0	45 405 400
VEBA Total Fund	40,928,649	195,709	4,341,048	45,465,406
	0.4 =00 00 <del>=</del>	4		00 004 000
Total Domestic Equity	24,508,327	-1,525,000	3,397,945	26,381,272
Dodge & Cox Stock Fund (DODGX)	8,787,357	-1,100,000	1,169,402	8,856,759
Atalanta Sosnoff	8,793,993	-9,879,432	1,085,439	-
MFS Equity Investment	-	8,379,432	214,337	8,593,769
Lord Abbett (LVOVX)	6,926,976	1,075,000	928,767	8,930,743
Total Domestic Fixed Income				
CS McKee	16,301,323	1,700,000	935,359	18,936,681
Cash W/Income Lending	119,000	20,709	7,744	147,453



Asset Allocation Attributes									
	Domestic Equity		Domestic Fixed Income		Cash Eq	Cash Equivalent		Total Fund	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	
VEBA Total Fund	26,244	57.7	18,653	41.0	568	1.3	45,465	100.0	
					40-				
Total Domestic Equity	26,244	99.5	-	-	137	0.5	26,381	58.0	
Dodge & Cox Stock Fund (DODGX)	8,857	100.0	-	-	-	-	8,857	19.5	
MFS Equity Investment	8,457	98.4	-	-	137	1.6	8,594	18.9	
Lord Abbett (LVOVX)	8,931	100.0	-	-	-	0.0	8,931	19.6	
Total Domestic Fixed Income									
CS McKee	-	-	18,653	98.5	284	1.5	18,937	41.7	
Cash W/Income Lending	-	-	-	-	147	100.0	147	0.3	



As of September 30, 2016



Allocation		
	Market Value	Allocation
■ US Equity	24,920,658	56.8
US Fixed Income	18,846,233	42.9
US Cash	118,995	0.3

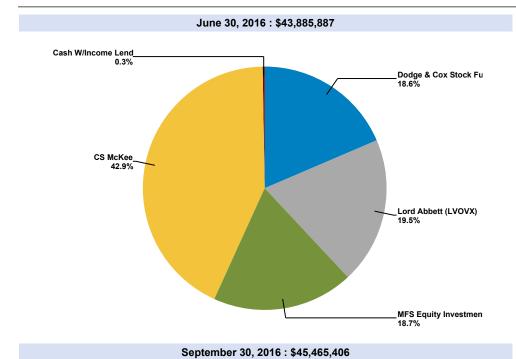
# 

September 30, 2016 : \$45,465,406

Allocation			
	Market Value	Allocation	
US Equity	26,381,272	58.0	
US Fixed Income	18,936,681	41.7	
US Cash	147,453	0.3	



As of September 30, 2016



Market Value	Allocation
8,141,155	18.6
8,554,013	19.5
8,225,490	18.7
18,846,233	42.9
118,995	0.3
	8,141,155 8,554,013 8,225,490 18,846,233

# Cash W/Income Lend 0.3% Dodge & Cox Stock Fu 19.5% Lord Abbett (LVOVX) 19.6% MFS Equity Investmen 18.9%

Allocation		
	Market Value	Allocation
■ Dodge & Cox Stock Fund (DODGX)	8,856,759	19.5
Lord Abbett (LVOVX)	8,930,743	19.6
MFS Equity Investment	8,593,769	18.9
■ CS McKee	18,936,681	41.7
■ Cash W/Income Lend	147,453	0.3



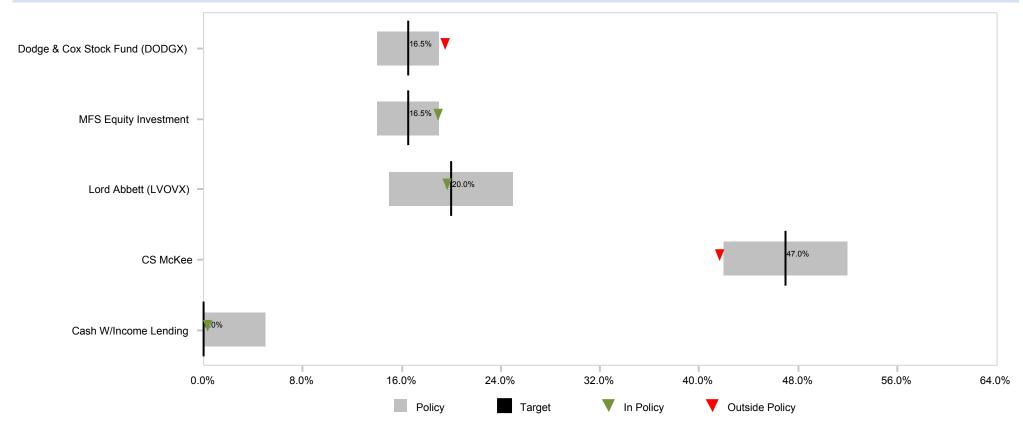
	Asset Allocation \$	Current Allocation (%)	Minimum Allocation (%)	Target Allocation (%)	Maximum Allocation (%)	Target Rebal. (\$)	Differences (%)
VEBA Total Fund	45,465,406	100.0		100.0		-	0.0
Total Domestic Equity	26,381,272	58.0	48.0	53.0	58.0	-2,284,607	5.0
Total Fixed Income	18,936,681	41.7	42.0	47.0	52.0	2,432,059	-5.3
Cash W/Income Lending	147,453	0.3	0.0	0.0	5.0	-147,453	0.3

## **Allocation Summary** Total Domestic Equity 53.0% Total Fixed Income 47.0% Cash W/Income Lending 0.0% 8.0% 16.0% 24.0% 32.0% 40.0% 48.0% 56.0% 64.0% 72.0% Policy Target In Policy V Outside Policy



	Asset Allocation \$	Current Allocation (%)	Minimum Allocation (%)	Target Allocation (%)	Maximum Allocation (%)	Target Rebal. (\$)	Differences (%)
/EBA Total Fund	45,465,406	100.0		100.0		-	0.0
Total Equity	26,381,272	58.0		53.0		-2,284,607	5.0
Total Domestic Equity	26,381,272	58.0		53.0		-2,284,607	5.0
Dodge & Cox Stock Fund (DODGX)	8,856,759	19.5	14.0	16.5	19.0	-1,354,967	3.0
MFS Equity Investment	8,593,769	18.9	14.0	16.5	19.0	-1,091,977	2.4
Lord Abbett (LVOVX)	8,930,743	19.6	15.0	20.0	25.0	162,338	-0.4
Total Fixed Income	18,936,681	41.7		47.0		2,432,059	-5.3
Total Domestic Fixed Income	18,936,681	41.7		47.0		2,432,059	-5.3
CS McKee	18,936,681	41.7	42.0	47.0	52.0	2,432,059	-5.3
Cash W/Income Lending	147,453	0.3	0.0	0.0	5.0	-147,453	0.3

### **Allocation Summary**



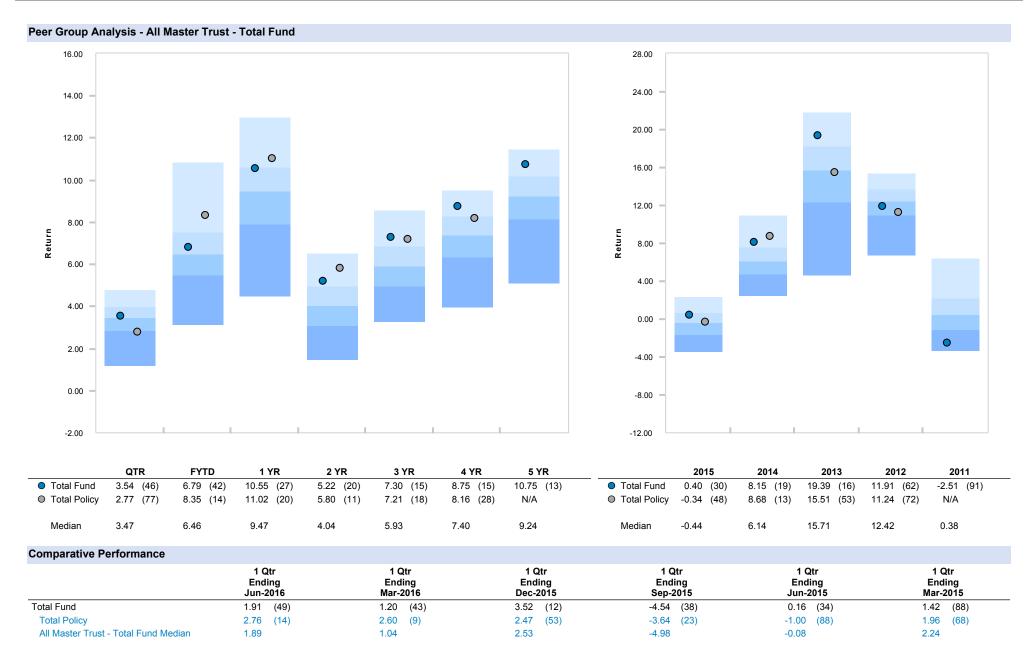


Comparative Performance										
	Q.	TR	FY	ΓD	1 \	′R	3 \	/R	5`	YR
VEBA Total Fund	3.54	(47)	6.79	(42)	10.55	(27)	7.30	(15)	10.75	(14
VEBA - Total Fund Policy	2.77	(77)	8.35	(14)	11.02	(20)	7.21	(18)	N/A	(
All Master Trust - Total Fund Median	3.47	,	6.46	( )	9.48	( )	5.93	( - )	9.25	
VEBA Total Fund	3.54	(55)	6.79	(46)	10.55	(31)	7.30	(13)	10.75	(21
VEBA - Total Fund Policy	2.77	(91)	8.35	(9)	11.02	(20)	7.21	(17)	N/A	
Master Trust >=55% and <70% Equity Median	3.61		6.66		9.92		6.23		9.89	
Total Domestic Equity	5.86	(16)	7.72	(65)	14.14	(55)	9.23	(57)	N/A	
VEBA - Total Domestic Equity Policy	4.84	(43)	10.39	(8)	16.00	(14)	9.78	(42)	N/A	
Russell 3000 Index	4.40	(63)	8.18	(50)	14.96	(35)	10.44	(24)	16.36	(32
All Master Trust-US Equity Segment Median	4.66		8.18		14.37		9.53		15.73	
Dodge & Cox Stock Fund (DODGX)	8.79	(4)	9.54	(19)	14.52	(27)	8.95	(23)	N/A	
Russell 1000 Value Index	3.48	(64)	10.00	(14)	16.19	(15)	9.70	(10)	16.15	(10
IM U.S. Large Cap Value Equity (MF) Median	3.96		7.02		12.49		7.84		14.50	
MFS Equity Investment	4.48	(64)	4.35	(51)	N/A		N/A		N/A	
Russell 1000 Growth Index	4.58	(61)	6.00	(23)	13.76	(23)	11.83	(34)	16.60	(41
IM U.S. Large Cap Growth Equity (SA+CF) Median	5.15		4.45		11.69		10.91		16.10	
Lord Abbett (LVOVX)	4.40	(95)	10.50	(72)	12.44	(71)	9.10	(21)	N/A	
Russell 2500 Value Index	6.18	(69)	14.51	(26)	17.68	(26)	8.05	(31)	16.29	(36
IM U.S. SMID Cap Value Equity (MF) Median	6.99		12.99		15.03		6.48		15.73	
Total Domestic Fixed Income										
CS McKee	0.48	(73)	5.70	(81)	5.54	(59)	4.45	(42)	N/A	
Bloomberg Barclays U.S. Aggregate Index	0.46	(77)	5.80	(72)	5.19	(79)	4.03	(83)	3.08	(91
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.68		6.13		5.62		4.31		3.66	
Cash W/Income Lending	1.48		3.72		4.24		1.40		0.84	
90 Day U.S. Treasury Bill	0.07		0.19		0.18		0.09		0.08	

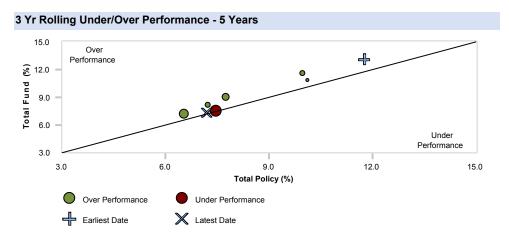


Comparative Performance										
	Υe	1 ear ding 2016	Ye End		Ye End Sep-	ar ling	Ye End Sep-	ear ling	Ye End Sep-	ar ling
VEBA Total Fund	10.55	(27)	0.15	(30)	11.59	(18)	13.23	(31)	19.08	(21)
VEBA - Total Fund Policy	11.02	(20)	0.84	(19)	10.08	(42)	11.08	(61)	N/A	
All Master Trust - Total Fund Median	9.47		-0.91		9.63		11.87		16.93	
VEBA Total Fund	10.55	(31)	0.15	(23)	11.59	(20)	13.23	(43)	19.08	(38)
VEBA - Total Fund Policy	11.02	(20)	0.84	(11)	10.08	(54)	11.08	(83)	N/A	
Master Trust >=55% and <70% Equity Median	9.92		-0.87		10.24		12.97		18.57	
Total Domestic Equity	14.14	(55)	-2.07	(75)	16.58	(38)	27.28	(10)	N/A	
VEBA - Total Domestic Equity Policy	16.00	(14)	-1.27	(65)	15.51	(54)	23.42	(37)	N/A	
Russell 3000 Index	14.96	(35)	-0.49	(48)	17.76	(19)	21.60	(60)	30.20	(28)
All Master Trust-US Equity Segment Median	14.37	, ,	-0.53	, ,	15.80	. ,	22.36	, ,	28.71	, ,
Dodge & Cox Stock Fund (DODGX)	14.52	(27)	-6.61	(70)	20.93	(5)	29.96	(4)	N/A	
Russell 1000 Value Index	16.19	(15)	-4.42	(43)	18.89	(17)	22.30	(55)	30.92	(12)
IM U.S. Large Cap Value Equity (MF) Median	12.49		-4.79		17.10		22.57		28.18	
MFS Equity Investment	N/A		N/A		N/A		N/A		N/A	
Russell 1000 Growth Index	13.76	(23)	3.17	(55)	19.15	(40)	19.27	(65)	29.19	(38)
IM U.S. Large Cap Growth Equity (SA+CF) Median	11.69		3.61		18.15		20.29		27.64	
Lord Abbett (LVOVX)	12.44	(71)	3.33	(8)	11.76	(14)	30.19	(41)	N/A	
Russell 2500 Value Index	17.68	(26)	-2.44	(55)	9.88	(32)	27.58	(75)	32.15	(30)
IM U.S. SMID Cap Value Equity (MF) Median	15.03		-1.76		7.60		29.29		29.40	
Total Domestic Fixed Income										
CS McKee	5.54	(59)	3.58	(9)	4.23	(60)	-2.16	(95)	N/A	
Bloomberg Barclays U.S. Aggregate Index	5.19	(79)	2.94	(59)	3.96	(80)	-1.68	(79)	5.16	(91)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	5.62		3.02		4.49		-1.26		6.60	
Cash W/Income Lending	4.24		0.01		0.01		0.00		0.00	
90 Day U.S. Treasury Bill	0.18		0.03		0.04		0.08		0.05	







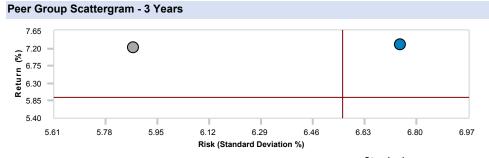


### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 0 75.0 100.0 6/13 12/13 6/15 12/15 9/16 12/11 6/12 12/12 6/14 12/14

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul><li>Total Fund</li></ul>	20	10 (50%)	0 (0%)	7 (35%)	3 (15%)
<ul><li>Total Policy</li></ul>	8	2 (25%)	5 (63%)	1 (13%)	0 (0%)

Peer Group Scattergram - 5 Years

N/A



11.00							
§ 10.50 =	-						
10.00 =	-						
<b>2</b> 9.50 =	-						
9.00				1		- 1	
	6.96	7.02	7.08	7.14	7.20	7.26	7.32
			Risk (Standard D	eviation %)			

	Return	Standard Deviation
<ul><li>Total Fund</li></ul>	7.30	6.75
<ul><li>Total Policy</li></ul>	7.21	5.87
Median	5.93	6.56

N/A

N/A

	Return	Standard Deviation	
<ul><li>Total Fund</li></ul>	10.75	7.27	
<ul> <li>Total Policy</li> </ul>	N/A	N/A	
Median	9.23	7.00	

N/A

Historical Statisti	cs - 3 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	2.01	105.39	110.32	-0.59	0.07	1.07	1.10	3.60
Total Policy	0.00	100.00	100.00	0.00	N/A	1.20	1.00	3.10
Historical Statisti	cs - 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	N/A	N/A	N/A	N/A	N/A	1.43	N/A	3.49

N/A



N/A

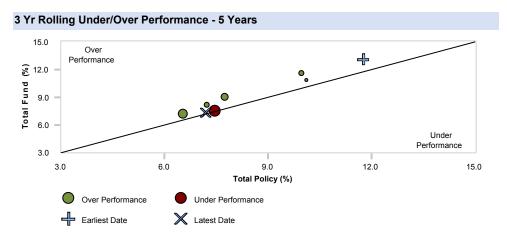
N/A

**Total Policy** 

N/A







### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 0 50.0 0 75.0 0 100.0 6/12 6/15 12/15 9/16 12/11 12/12 6/13 12/13 6/14 12/14

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul><li>Total Fund</li></ul>	20	5 (25%)	5 (25%)	6 (30%)	4 (20%)
<ul><li>Total Policy</li></ul>	8	2 (25%)	2 (25%)	3 (38%)	1 (13%)



Pe	er Grou	ıp Scatt	ergram - 5	Years					
	10.92							1	
<u>.</u>	10.64 =								
% 	10.64 = 10.36 = 10.08 = 10.08	-							
etur	10.08 =	-							
œ	9.80 -	-							
	9.52			1					
			7.26	7.32	7.38	7.44	7.50	7.56	7.62
					Risk (Standard I	Deviation %)			

	Return	Standard Deviation		
<ul><li>Total Fund</li></ul>	7.30	6.75		
<ul><li>Total Policy</li></ul>	7.21	5.87		
Median	6.22	7.08		

	Return	Standard Deviation	
<ul><li>Total Fund</li></ul>	10.75	7.27	
<ul><li>Total Policy</li></ul>	N/A	N/A	
Median	9.89	7.55	

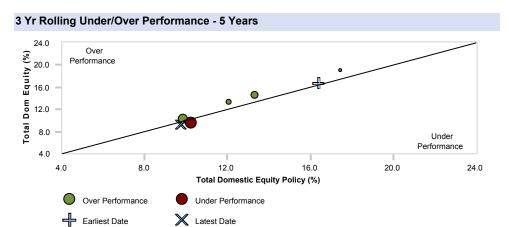
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	2.01	105.39	110.32	-0.59	0.07	1.07	1.10	3.60
Total Policy	0.00	100.00	100.00	0.00	N/A	1.20	1.00	3.10
Historical Statistic	cs - 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	N/A	N/A	N/A	N/A	N/A	1.43	N/A	3.49
Total Policy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



**Historical Statistics - 3 Years** 

### Peer Group Analysis - All Master Trust-US Equity Segment 23.00 52.00 44.00 20.00 36.00 17.00 0 0 28.00 0 14.00 0 0 20.00 Return Return 0 11.00 0 0 12.00 0 0 8.00 0 4.00 0 00 5.00 -4.00 2.00 -12.00 -1.00 -20.00 QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR 2015 2014 2013 2012 2011 Total Dom Equity 5.86 (16) 7.72 (65) 14.14 (55) 5.72 (69) 9.23 (57) 13.49 (21) N/A Total Dom Equity -0.41 (64) 9.43 (74) 37.95 (9) N/A N/A Total Equity Policy 4.84 (43) 10.39 (8) 16.00 (14) 7.02 (34) 9.78 (42) 13.04 (41) Total Equity Policy -1.52 (78) 10.93 (52) 33.21 (57) 17.49 (25) N/A N/A 4.66 8.18 14.37 6.62 9.53 12.76 15.73 Median 0.17 11.08 33.66 16.45 0.20 Median **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Jun-2016 Mar-2016 Dec-2015 Sep-2015 Jun-2015 Mar-2015 Total Dom Equity 1.86 (76) -0.10 (75) 5.96 (39) -8.06 (70) 1.04 (9) 1.18 (81) Total Domestic Equity Policy 3.23 (18)2.00 (16)(69)-7.87 (64)-0.41 (84) 2.14 (44)5.08 All Master Trust-US Equity Segment Median 2.52 0.84 -7.49 0.22 1.92 5.69





### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 75.0 100.0 12/12 6/12 6/13 12/13 12/14 12/15 9/16 12/11 6/14 6/15

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul> <li>Total Dom Equity</li> </ul>	7	2 (29%)	2 (29%)	3 (43%)	0 (0%)
<ul> <li>Total Equity Policy</li> </ul>	8	0 (0%)	5 (63%)	3 (38%)	0 (0%)

### Peer Group Scattergram - 3 Years 10.00 $\bigcirc$ 9.80 Return (%) 9.40 9.20 9.00 10.80 10.89 10.98 11.07 11.16 11.25 11.34 Risk (Standard Deviation %)

Pe	er Group Sc	attergram - 5 Y	ears				
	17.16						
-	16.64						
% u	16.64 — 16.12 — 15.60 —						
etur	15.60 -						
œ	15.08						
	14.56	-			1	-	
	10.66	10.92	11.18	11.44	11.70	11.96	12.22
			Risk (S	tandard Deviation	%)		

	Return	Standard Deviation		Return	Standard Deviation
<ul><li>Total Dom Equity</li></ul>	9.23	11.20	Total Dom Equity	N/A	N/A
<ul> <li>Total Equity Policy</li> </ul>	9.78	10.92	<ul> <li>Total Equity Policy</li> </ul>	N/A	N/A
Median	9.53	10.81	Median	15.73	11.46

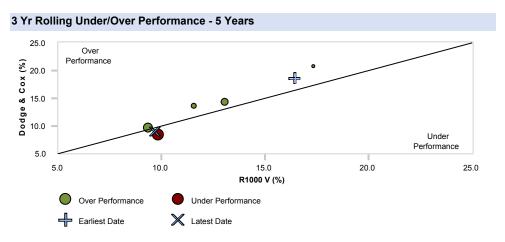
1							
Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
2.69	95.89	96.53	-0.43	-0.18	0.84	1.00	6.43
0.00	100.00	100.00	0.00	N/A	0.90	1.00	6.28
	Tracking Error 2.69	Tracking Up Market Capture 2.69 95.89	Tracking ErrorUp Market CaptureDown Market Capture2.6995.8996.53	Tracking ErrorUp Market CaptureDown Market CaptureAlpha Capture2.6995.8996.53-0.43	Tracking ErrorUp Market CaptureDown Market CaptureAlpha CaptureInformation Ratio2.6995.8996.53-0.43-0.18	Tracking ErrorUp Market CaptureDown Market CaptureAlpha RatioInformation RatioSharpe Ratio2.6995.8996.53-0.43-0.180.84	Tracking ErrorUp Market CaptureDown Market CaptureAlpha RatioInformation RatioSharpe Ratio2.6995.8996.53-0.43-0.180.841.00

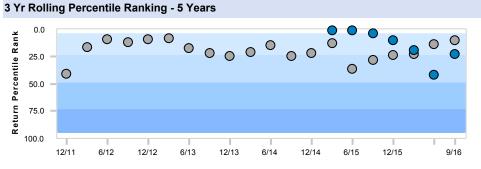
Historical Statistics - 5 Years	s							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Dom Equity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Domestic Equity Policy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A











	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Dodge & Cox	7	6 (86%)	1 (14%)	0 (0%)	0 (0%)	
<ul><li>R1000 V</li></ul>	20	17 (85%)	3 (15%)	0 (0%)	0 (0%)	

### Peer Group Scattergram - 3 Years 10.37 $\bigcirc$ Return (%) 9.15 8.54 7.32 9.89 10.32 10.75 11.18 11.61 12.04 12.47 12.90 Risk (Standard Deviation %)

Pe	er Group Scat	ttergram - 5 Y	ears				
	16.74						
6	16.20						
% :	16.20 — 15.66 — 15.12 —						
etu	15.12 -						
LE.	14.58						
	14.04	I		1	1		
	11.00	11.20	11.40	11.60	11.80	12.00	12.20
			Risk (S	tandard Deviation	%)		

	Return	Standard Deviation
<ul><li>Dodge &amp; Cox</li></ul>	8.95	12.33
	9.70	10.58
Median	7.84	11.32

100.00

100.00

	Return	Standard Deviation
Dodge & Cox	N/A	N/A
<ul><li>R1000 V</li></ul>	16.15	11.24
Median	14.50	11.91

1.39

Historical Statisti	cs - 3 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Dodge & Cox	4.16	102.37	109.32	-1.49	-0.12	0.75	1.10	7.65
R1000 V	0.00	100.00	100.00	0.00	N/A	0.92	1.00	6.26
Historical Statisti	cs - 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Dodge & Cox	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

0.00

N/A



5.81

1.00

R1000 V

0.00

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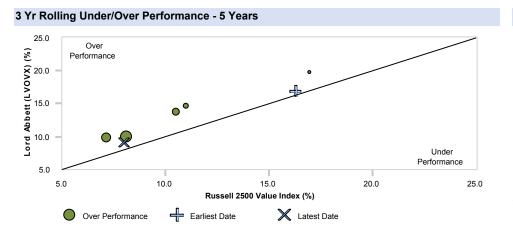
### Peer Group Analysis - IM U.S. Large Cap Growth Equity (SA+CF) 24.00 60.00 20.00 50.00 0 16.00 40.00 0 0 0 12.00 30.00 0 Return Return 0 20.00 8.00 0 0 0 0 0 4.00 10.00 0 0 0.00 0.00 -4.00 -10.00 -8.00 -20.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2015 2014 2013 2012 2011 MFS Equity MFS Equity 4.48 (64) 4.35 (51) N/A R1000G Index 4.58 (61) R1000G Index 6.00 (23) 13.76 (23) 8.34 (34) 11.83 (34) 13.64 (42) 16.60 (41) 5.67 (46) 13.05 (39) 33.48 (60) 15.26 (50) 2.64 (27) 5.15 4.45 11.69 7.36 10.91 13.20 16.10 Median 5.09 12.00 34.56 15.19 0.07 Median

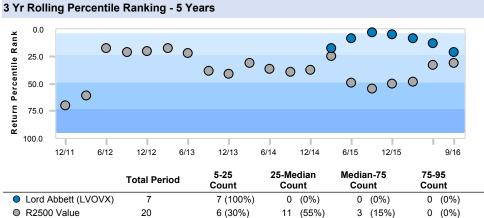
Comparative Performance						
	1 Qtr	1 Qtr	1 Qtr	1 Qtr	1 Qtr	1 Qtr
	Ending	Ending	Ending	Ending	Ending	Ending
	Jun-2016	Mar-2016	Dec-2015	Sep-2015	Jun-2015	Mar-2015
MFS Equity	1.49 (30)	-1.59 (51)	N/A	N/A	N/A	N/A
Russell 1000 Growth Index IM U.S. Large Cap Growth Equity (SA+CF) Median	0.61 (51)	0.74 (21)	7.32 (46)	-5.29 (34)	0.12 (67)	3.84 (52)
	0.62	-1.58	7.05	-5.95	0.61	3.92

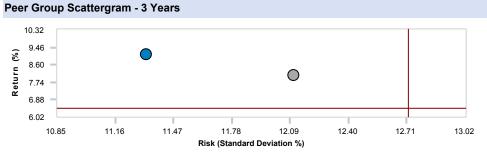


### Peer Group Analysis - IM U.S. SMID Cap Value Equity (MF) 28.00 60.00 24.00 50.00 20.00 40.00 0 0 0 0 16.00 30.00 0 lacksquare0 0 12.00 20.00 0 Return 0 8.00 10.00 0 0 4.00 0.00 0 0 0.00 -10.00 -4.00 -20.00 -30.00 -8.00 QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR 2015 2014 2013 2012 2011 -2.53 (12) Lord Abbett (LVOVX) 4.40 (95) 10.50 (72) 12.44 (71) 7.79 (32) 9.10 (21) 14.03 (12) N/A Lord Abbett (LVOVX) 9.45 (9) 37.87 (35)N/A N/A R2500 Value -3.36 (35) 6.18 (69) 14.51 (26) 7.15 (39) 12.63 (41) 16.29 (36) R2500 Value -5.49 (38) 7.11 (22) 33.32 (79) 17.68 (26) 8.05 (31) 19.21 (18) 6.99 12.99 15.03 6.19 6.48 12.08 15.73 -6.33 4.77 36.57 16.93 -4.50 Median Median **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending **Ending** Ending **Ending Ending Ending** Jun-2016 Mar-2016 Dec-2015 Sep-2015 Jun-2015 Mar-2015 Lord Abbett (LVOVX) 2.63 (48) 3.12 (49) 1.75 (62) -7.92 (19) -0.14 (40) 4.18 Russell 2500 Value Index 4.37 3.33 (47)2.78 (23)-9.58 (52) -1.27 (68) 3.02 (46)(16)IM U.S. SMID Cap Value Equity (MF) Median 3.08 -9.53 2.81 2.31 2.18 -0.58









Risk (Standard Deviation %)				
	Return	Standard Deviation		
<ul><li>Lord Abbett (LVOVX)</li></ul>	9.10	11.33		
<ul><li>R2500 Value</li></ul>	8.05	12.11		
Median	6.48	12.72		

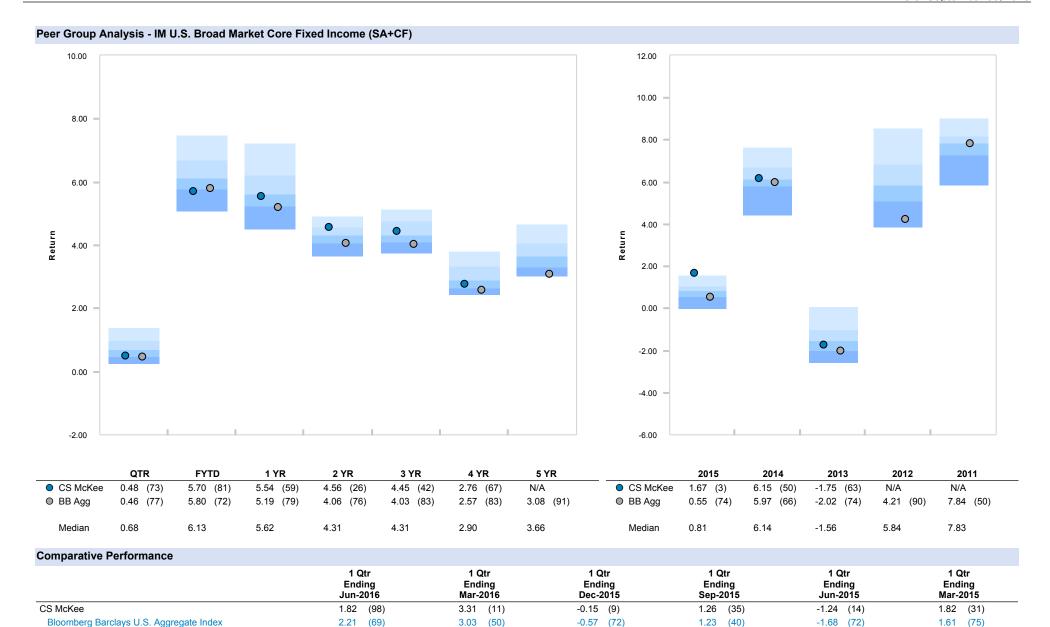


Return	Deviation
N/A	N/A
16.29	12.90
15.73	14.07
	N/A 16.29

Historical Statistics - 3 Ye	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Lord Abbett (LVOVX)	3.48	92.71	81.53	1.77	0.25	0.82	0.90	6.54
Russell 2500 Value Index	0.00	100.00	100.00	0.00	N/A	0.69	1.00	7.57
listorical Statistics - 5 Ye	ars							
		11	D					

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Lord Abbett (LVOVX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Value Index	0.00	100.00	100.00	0.00	N/A	1.23	1.00	6.78





3.03

2.33

1.13

-1.60

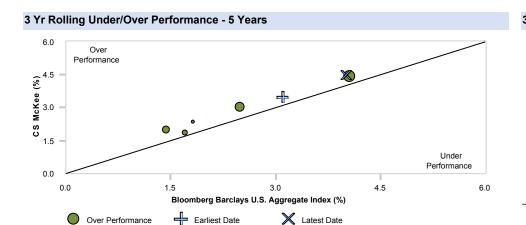
-0.45



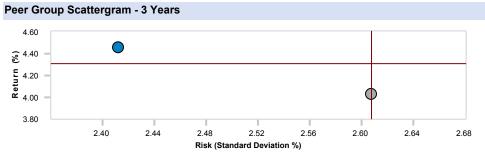
1.74

IM U.S. Broad Market Core Fixed Income (SA+CF) Median

20 (100%)



### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 75.0 000 000000000 100.0 6/12 12/12 6/13 12/13 6/14 12/14 6/15 12/15 9/16 12/11 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count CS McKee 1 (14%) 3 (43%) 3 (43%) 0 (0%)



Peer Grou	ıp Scattergram - 5 Ye	ears			
3.80					
€ 3.60					
3.40 = 3.20 = 3.00 = 3.00					
3.20					
3.00	0				
2.80	.!.		.!.		
2.6	2.62	2.64	2.66	2.68	2.70
		Risk (Standard	Deviation %)		

0 (0%)

0 (0%)

0 (0%)

	Return	Standard Deviation
<ul><li>CS McKee</li></ul>	4.45	2.41
<ul><li>BB Agg</li></ul>	4.03	2.61
Median	4.31	2.61

	Return	Standard Deviation
<ul><li>CS McKee</li></ul>	N/A	N/A
<ul><li>BB Agg</li></ul>	3.08	2.62
Median	3.66	2.68

Historical Statistics - 3 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
CS McKee	0.49	98.74	74.34	0.81	0.82	1.83	0.90	0.89
Bloomberg Barclays U.S. Aggregate Index	0.00	100.00	100.00	0.00	N/A	1.52	1.00	1.08
Historical Statistics - 5 Years								

BB Agg

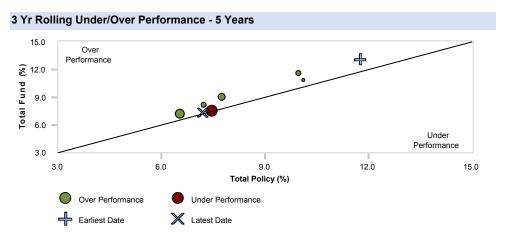
20

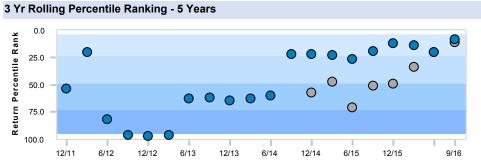
motoriou otationos o rears								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
CS McKee	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bloomberg Barclays U.S. Aggregate Index	0.00	100.00	100.00	0.00	N/A	1.14	1.00	1.42



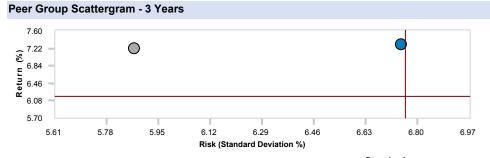








	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul><li>Total Fund</li></ul>	20	9 (45%)	1 (5%)	6 (30%)	4 (20%)
<ul><li>Total Policy</li></ul>	8	2 (25%)	3 (38%)	3 (38%)	0 (0%)



Pe	er Group Scattergram	- 5 Years	
eturn (%)	11.02 10.64 – 10.26 – 9.88 –		
ŭ	9.50 -	7.27	7.28
		Risk (Standard Deviation %)	

	Return	Standard Deviation
<ul><li>Total Fund</li></ul>	7.30	6.75
<ul><li>Total Policy</li></ul>	7.21	5.87
Median	6.17	6.76

	Return	Standard Deviation
<ul><li>Total Fund</li></ul>	10.75	7.27
<ul><li>Total Policy</li></ul>	N/A	N/A
Median	9.62	7.27

Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
105.39	110.32	-0.59	0.07	1.07	1.10	3.60
100.00	100.00	0.00	N/A	1.20	1.00	3.10
Up	Down	A1.1.	Information	Sharpe	5.4	Downside
Market Capture	Market Capture	Alpha	Ratio	Ratio	Beta	Risk
		Alpna N/A	Ratio N/A	•	N/A	
	Market Capture 105.39 100.00	Market Capture         Market Capture           105.39         110.32           100.00         100.00	Market Capture         Market Capture         Alpha           105.39         110.32         -0.59           100.00         100.00         0.00	Market Capture         Market Capture         Alpha Ratio           105.39         110.32         -0.59         0.07           100.00         100.00         0.00         N/A	Market Capture         Market Capture         Alpha Ratio         Information Ratio         Sharpe Ratio           105.39         110.32         -0.59         0.07         1.07           100.00         100.00         N/A         1.20	Market Capture         Market Capture         Alpha         Information Ratio         Sharpe Ratio         Beta           105.39         110.32         -0.59         0.07         1.07         1.10           100.00         100.00         N/A         1.20         1.00



**Historical Statistics - 3 Years** 

## **Fund Information**

Fund Name: Dodge & Cox Funds: Dodge & Cox Stock Fund

Fund Family : Dodge & Cox

Ticker: DODGX

Inception Date: 01/04/1965

Fund Assets: \$56,553 Million

Portfolio Turnover: 15%

Portfolio Assets: \$56,553 Million
Portfolio Manager: Team Managed

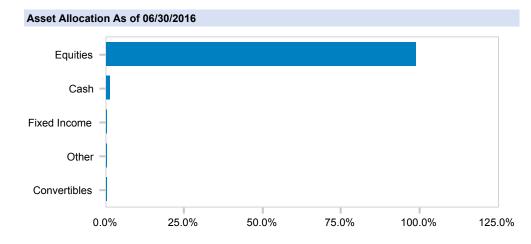
PM Tenure:

Fund Style: IM U.S. Large Cap Value Equity (MF)

Style Benchmark: Russell 1000 Value Index

# **Fund Investment Policy**

The Fund seeks long-term growth of principal and income. A secondary objective is to achieve a reasonable current income.



Top Ten Securities As of 06/30/2016	
Wells Fargo & Co ORD	3.6 %
Capital One Financial Corp ORD	3.5 %
Bank of America Corp ORD	3.2 %
Hewlett Packard Enterprise Co ORD	3.2 %
Comcast Corp ORD	3.1 %
Time Warner Inc ORD	3.0 %
Novartis AG DR	2.9 %
Charles Schwab Corp ORD	2.9 %
Charter Communications Inc ORD	2.9 %
Microsoft Corp ORD	2.9 %

# Fund Characteristics As of 06/30/2016

Total Securities 67

Avg. Market Cap \$95,811 Million

 P/E
 22.6

 P/B
 2.8

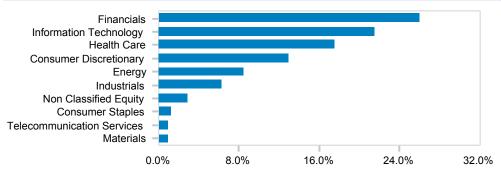
 Div. Yield
 2.3%

 Annual EPS
 -4.1

 5Yr EPS
 5.9

 3Yr EPS Growth
 6.4

# Sector/Quality Allocation As of 06/30/2016





Portfolio Characteristics (Benchmark: Russell 1000 Growth Index)							
	Portfolio	Benchmark					
Wtd. Avg. Mkt. Cap (\$)	129,216,520,012	147,012,431,352					
Median Mkt. Cap (\$)	31,791,523,320	9,004,537,730					
Price/Earnings ratio	30.7	23.3					
Price/Book ratio	5.0	5.5					
5 Yr. EPS Growth Rate (%)	13.3	11.7					
Current Yield (%)	0.8	1.5					
Beta	N/A	1.00					
Number of Stocks	87	599					

Top Ten Equity Holdings (Benchmark: Russell 1000 Growth Index)								
	Portfolio Wt	Benchmark Wt	Active Wt	Qtr Rtrn				
Amazon.com Inc	4.8	3.1	1.7	17.0				
Facebook Inc	4.8	2.7	2.1	12.2				
Alphabet Inc	3.9	2.2	1.7	14.3				
Visa Inc	3.9	1.5	2.4	11.7				
Microsoft Corp	2.7	4.1	-1.4	13.3				
Adobe Systems Inc	2.7	0.5	2.2	13.3				
Alphabet Inc	2.7	2.2	0.5	12.3				
Mastercard Inc	2.6	0.9	1.7	15.8				
Thermo Fisher Scientific Inc	2.4	0.3	2.1	7.8				
SBA Communications Corp	2.0	0.1	1.9	3.9				

Ten Best Performers (Benchmark: Russell 1000 Growth Index)								
	Portfolio Wt	Benchmark Wt	Active Wt	<b>Quarterly Rtrn</b>				
NVIDIA Corp	8.0	0.3	0.5	46.0				
Schwab (Charles) Corp	1.1	0.3	8.0	25.0				
Pioneer Natural Resources	0.7	0.0	0.7	22.8				
FleetCor Technologies Inc	1.3	0.2	1.1	21.4				
Edwards Lifesciences Corp	0.5	0.2	0.3	20.9				
Canadian Pacific Railway	0.9	0.0	0.9	19.6				
Biomarin Pharmaceutical Inc	0.3	0.1	0.2	18.9				
Apple Inc	1.7	5.4	-3.7	18.9				
Priceline Group Inc (The)	1.6	0.7	0.9	17.9				
Xylem Inc	0.3	0.0	0.3	17.8				

Ten Worst Performers (Benchmark: Russell 1000 Growth Index)									
Portfolio Wt	Benchmark Wt	<b>Active Wt</b>	Quarterly Rtrn						
0.9	0.9	0.0	-26.7						
0.4	0.1	0.3	-25.9						
0.2	0.1	0.1	-17.4						
0.9	0.3	0.6	-16.6						
1.4	0.2	1.2	-16.2						
0.3	0.1	0.2	-12.5						
0.5	0.2	0.3	-11.8						
0.7	0.4	0.3	-10.5						
1.5	0.4	1.1	-10.2						
0.6	0.2	0.4	-8.6						
	0.9 0.4 0.2 0.9 1.4 0.3 0.5 0.7 1.5	Portfolio Wt         Benchmark Wt           0.9         0.9           0.4         0.1           0.2         0.1           0.9         0.3           1.4         0.2           0.3         0.1           0.5         0.2           0.7         0.4           1.5         0.4	Portfolio Wt         Benchmark Wt         Active Wt           0.9         0.9         0.0           0.4         0.1         0.3           0.2         0.1         0.1           0.9         0.3         0.6           1.4         0.2         1.2           0.3         0.1         0.2           0.5         0.2         0.3           0.7         0.4         0.3           1.5         0.4         1.1						

<b>Buy and Hold Sector Attribut</b>	ion (Benchma	rk: Russell 1000	<b>Growth Index</b>	<b>(</b> )				Portfolio Comparison	
	Allo	cation	Perfo	rmance		Attribution			MFS Equity Investment
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Total	Market Capitalization (%)	
Consumer Discretionary	20.6	20.9	1.76	2.80	-0.22	0.00	-0.21	Greater than 25000M	77.5
Consumer Staples	9.4	10.6	-2.53	-4.88	0.22	0.11	0.33	16000M To 25000M	11.2
Energy	0.9	0.6	18.91	12.47	0.06	0.02	0.08	12000M To 16000M	4.7
Financials	3.1	5.7	10.50	1.25	0.28	0.09	0.37	8000M To 12000M	3.7
Health Care	14.9	17.1	-0.05	2.08	-0.32	0.06	-0.26	5000M To 8000M	1.2
Industrials	8.3	10.8	5.02	2.96	0.17	0.04	0.21	3000M To 5000M	0.3
Information Technology	34.5	29.3	9.80	12.38	-0.89	0.41	-0.48	Cash	1.4
Materials	4.3	3.6	-3.52	3.56	-0.30	-0.01	-0.31		
Telecommunication Services	2.0	1.3	3.91	-4.15	0.16	-0.06	0.10		
Utilities	0.0	0.1	0.00	-1.77	0.00	0.00	0.00		
Cash	2.0	0.0	0.07	0.00	0.00	-0.09	-0.09		
Total	100.0	100.0	4.33	4.58	-0.84	0.58	-0.26		



As of September 30, 2016

### **Fund Information**

Fund Name: Lord Abbett Securities Trust: Lord Abbett Value Opportunities Fund; Class I Shares

Fund Family: Lord Abbett & Co LLC

Ticker: LVOYX Inception Date: 12/20/2005

Fund Assets: \$492 Million

Portfolio Turnover: 47%

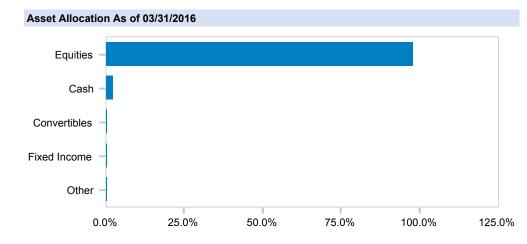
Portfolio Assets: \$2,741 Million
Portfolio Manager: Maher/Maurer
PM Tenure: 2008--2007

Fund Style: IM U.S. Mid Cap Core Equity (MF)

Style Benchmark: Russell Midcap Index

# **Fund Investment Policy**

The Fund seeks long-term capital appreciation. To pursue this goal, the Fund normally invests at least 80% of its net assets, plus the amount of any borrowings for investment purposes, in equity securities of small and mid-sized companies.



Top Ten Securities As of 03/31/2016		
Federal Realty Investment Trust	2.8 %	
Renaissancere Holdings Ltd ORD	2.5 %	
AECOM ORD	2.2 %	
STERIS plc ORD	2.1 %	
Reliance Steel & Aluminum Co ORD	2.1 %	
Booz Allen Hamilton Holding Corp ORD	2.1 %	
Jarden Corp ORD	2.0 %	
CMS Energy Corp ORD	2.0 %	
Pinnacle Foods Inc ORD	1.9 %	
Fidelity National Information Services Inc ORD	1.8 %	

## Fund Characteristics As of 03/31/2016

13.3

Total Securities 74

Avg. Market Cap \$6,614 Million

 P/E
 30.6

 P/B
 3.5

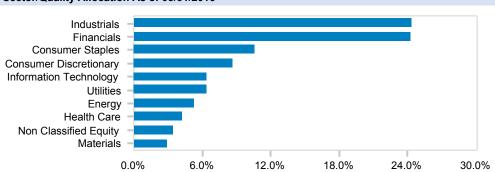
 Div. Yield
 2.3%

 Annual EPS
 7.1

 5Yr EPS
 12.3

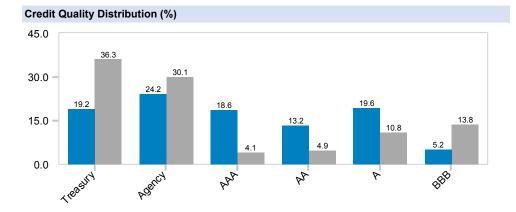
3Yr EPS Growth

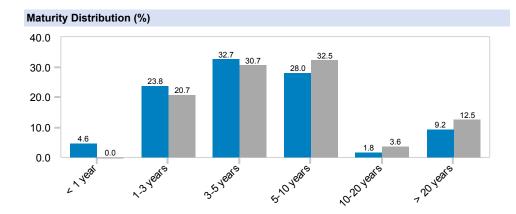
# Sector/Quality Allocation As of 03/31/2016

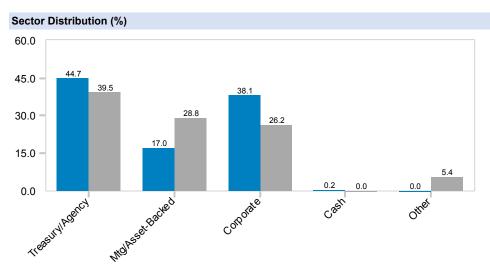


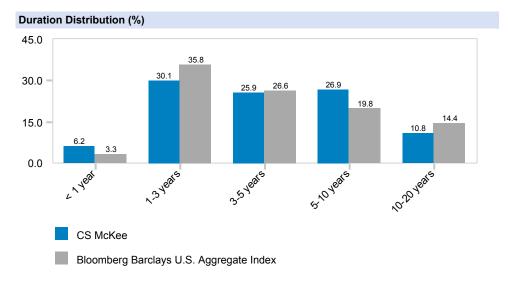


Portfolio Characteristics		
	Portfolio	Benchmark
Avg. Maturity	6.67	7.82
Avg. Quality	Aa2	AA1/AA2
Coupon Rate (%)	2.76	3.09
Current Yield	2.65	2.89
Effective Duration	5.36	5.51











Comparative Performance					
	QTR	FYTD	1 YR	3 YR	5 YR
VEBA Total Fund	3.51	6.69	10.39	7.02	10.31
VEBA - Total Fund Policy	2.77	8.35	11.02	7.21	N/A
Total Domestic Equity	5.86	7.72	14.09	8.98	N/A
VEBA - Total Domestic Equity Policy	4.84	10.39	16.00	9.78	N/A
Russell 3000 Index	4.40	8.18	14.96	10.44	16.36
Dodge & Cox Stock Fund (DODGX)	8.79	9.54	14.52	8.91	N/A
Russell 1000 Value Index	3.48	10.00	16.19	9.70	16.15
MFS Equity Investment	4.48	4.35	N/A	N/A	N/A
Russell 1000 Growth Index	4.58	6.00	13.76	11.83	16.60
Lord Abbett (LVOVX)	4.40	10.50	12.44	9.01	N/A
Russell 2500 Value Index	6.18	14.51	17.68	8.05	16.29
Total Domestic Fixed Income					
CS McKee	0.40	5.47	5.23	4.11	N/A
Bloomberg Barclays U.S. Aggregate Index	0.46	5.80	5.19	4.03	3.08
Cash W/Income Lending	1.48	3.72	4.24	1.40	0.84
90 Day U.S. Treasury Bill	0.07	0.19	0.18	0.09	0.08



	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
VEBA Total Fund	0.50	45,465,406	225,082	
Total Domestic Equity	0.64	26,381,272	168,272	
Dodge & Cox Stock Fund (DODGX)	0.52	8,856,759	46,055	0.52 % of Assets
MFS Equity Investment	0.57	8,593,769	48,984	0.57 % of Assets
Lord Abbett (LVOVX)	0.82	8,930,743	73,232	0.82 % of Assets
Total Domestic Fixed Income	0.30	18,936,681	56,810	
CS McKee	0.30	18,936,681	56,810	0.30 % of First \$20 M 0.25 % of Next \$20 M 0.25 % Thereafter
Cash W/Income Lending		147,453	-	



VEBA Total Fund Policy	
Allocation Mandate	Weight (%)
Jan-2012	
Russell 1000 Index	33.00
Russell 2500 Value Index	20.00
Bloomberg Barclays U.S. Aggregate Index	47.00

VEBA Total Domestic Equity Policy			
Allocation Mandate	Weight (%)		
Jan-2012			
Russell 1000 Index	62.00		
Russell 2500 Value Index	38.00		



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- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.

## Alpha

- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.

#### Beta

- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.

## Consistency

- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.

# Distributed to Paid In (DPI)

- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.

# **Down Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance

# **Downside Risk**

- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.

## **Excess Return**

- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.

#### Excess Risk

- A measure of the standard deviation of a portfolio's performance relative to the risk free return.

# Information Ratio

- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.

# R-Squared

- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.

#### Return

- Compounded rate of return for the period.

### **Sharpe Ratio**

- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.

## Standard Deviation

- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.

### **Total Value to Paid In (TVPI)**

- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life

### **Tracking Error**

- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.

## **Treynor Ratio**

- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.

### **Up Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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The Bogdahn Group uses time-weighted calculations which are founded on standards recommended by the CFA Institute. The calculations and values shown are based on information that is received from custodians. The Bogdahn Group analyzes transactions as indicated on the custodian statements and reviews the custodial market values of the portfolio. As a result, this provides The Bogdahn Group with a reasonable basis that the investment information presented is free from material misstatement. This methodology of evaluating and measuring performance provides The Bogdahn Group with a practical foundation for our observations and recommendations. Nothing came to our attention that would cause The Bogdahn Group to believe that the information presented is significantly misstated.

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# Orlando

4901 Vineland Road, Suite 600 Orlando, Florida 32811

866.240.7932

Chicago Cleveland Detroit Pittsburgh Tulsa